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10950 U.S. PTO

01-22-01

PTO/SB/05 (08/00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Please type a plus sign (+) inside the box → +

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 061607-1361

First Inventor Betts

Title TONE ORDERED DISCRETE MULTITONE INTERLEAVER

Express Mail Label No. EL 763766129 US

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**APPLICATION ELEMENTS**

See MPEP Chapter 600 concerning utility patent application contents

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231 APPLICANT REQUESTS EARLY PUBLICATION UNDER 37 CFR 1.219 (additional fee)

1. <input checked="" type="checkbox"/>	Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
2. <input type="checkbox"/>	Applicant claims small entity status.	8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
3. <input checked="" type="checkbox"/>	Specification (preferred arrangement set forth below)	a. <input type="checkbox"/> Computer Readable Copy (CRF)
	[Total Pages] 26	b. <input type="checkbox"/> Specification Sequence Listing on:
		i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or
		ii. <input type="checkbox"/> Paper
		c. <input type="checkbox"/> Statements verifying identity of above copies
<b>ACCOMPANYING APPLICATION PARTS</b>		
4. <input checked="" type="checkbox"/>	Drawing(s) (35 USC 113)	9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & Documents(s))
5. <input type="checkbox"/>	[Total Sheets] 4	10. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney
a. <input checked="" type="checkbox"/>	[Total Pages] 2	11. <input type="checkbox"/> English Translation Document (if applicable)
b. <input type="checkbox"/>		12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations
i. <input type="checkbox"/>	<b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	13. <input type="checkbox"/> Preliminary Amendment
6. <input type="checkbox"/>	Application Data Sheet. See 37 CFR 1.76	14. <input type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
Assignee Name and Address (if applicable) Paradyne Corporation 8545 126 <sup>th</sup> Avenue, North Largo, FL 33773		15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)
		16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
		17. <input type="checkbox"/> Other: _____

18. If a CONTINUATING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)

of prior application No: 09/736,353.

**Prior application information:** Examiner To Be Assigned

Group / Art Unit: To Be Assigned

For CONTINUATION OR DIVISIONAL APPS only, the entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**18. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label

24504



Correspondence address below

(Insert Customer No. or Attach bar code label here)

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Name (Print/Type)

Lawrence E. Thompson

Registration No. (Attorney/Agent)

41,346

Signature

Date

01/17/01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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# FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 1,444.00)

Complete If Known	
Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Betts
Examiner Name	To Be Assigned
Group / Art Unit	To Be Assigned
Attorney Docket No.	061607-1361

METHOD OF PAYMENT				FEE CALCULATION (continued)																																																																																																																																																																																																			
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge to the following Deposit Account.</p> <p>Deposit Account Number <b>16-0255</b></p> <p>Deposit Account Name <b>Paradyne Corporation's</b></p> <p><input type="checkbox"/> Charge all indicated fees and any additional fee required or credit any overpayment.</p> <p><input checked="" type="checkbox"/> Charge any additional fee required and requested to credit any overpayment.</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>				<p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension of time within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension of time within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension of time within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension of time within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt.</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (time number of properties)</td><td>40.00</td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="4">Other fee (specify) _____</td><td>Publication Fee</td><td>300.00</td></tr> <tr><td colspan="4">Other fee (specify) _____</td><td></td><td></td></tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> <td>SUBTOTAL (3)</td> <td><b>340.00</b></td> </tr> </tbody> </table>				Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - 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Typed or Printed Name		Lawrence E. Thompson		Reg. Number	41,346																																																																																																																																																																																																		
Signature				Date	01/17/01	Deposit Account User ID																																																																																																																																																																																																	

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Betts

Examiner: To Be Assigned

Serial No.: To Be Assigned

Group No.: To Be Assigned

Filing Date: Herewith

For: TONE ORDERED DISCRETE MULTITONE INTERLEAVER

**CERTIFICATE OF EXPRESS MAIL**

Assistant Commissioner for Patents

BOX: Patent Application

Washington, D.C. 20231

Sir:

Enclosed for filing in the above case are the following documents:

Return Postcard

Utility Patent Application Transmittal

Fee Transmittal

U.S. Utility Patent Application consisting of:

18 Pages of Specification

7 Pages of Claims

1 Page of Abstract

4 Pages of Formal Drawings

Executed Declaration For Patent Application (2 Pages)

Copy of executed Assignment Cover Sheet and

Assignment (4 Pages)

Further, the Commissioner is authorized to charge Deposit Account No. 16-0255 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 16-0255.

Respectfully submitted,

**Lawrence E. Thompson**



THOMAS, KAYDEN, HORSTEMEYER  
& RISLEY, L.L.P.  
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Suite 1750  
Atlanta, Georgia 30339-5948

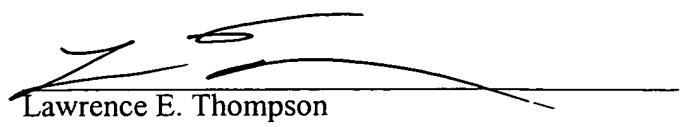
Our Docket No: 061607-1361

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I hereby certify that all correspondences listed above are being deposited for delivery to the above addressee, with the United States Postal Service "**EXPRESS MAIL POST OFFICE TO ADDRESSEE**" service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee" Package # EL 763766129US.

Date: 1/17/11



Lawrence E. Thompson